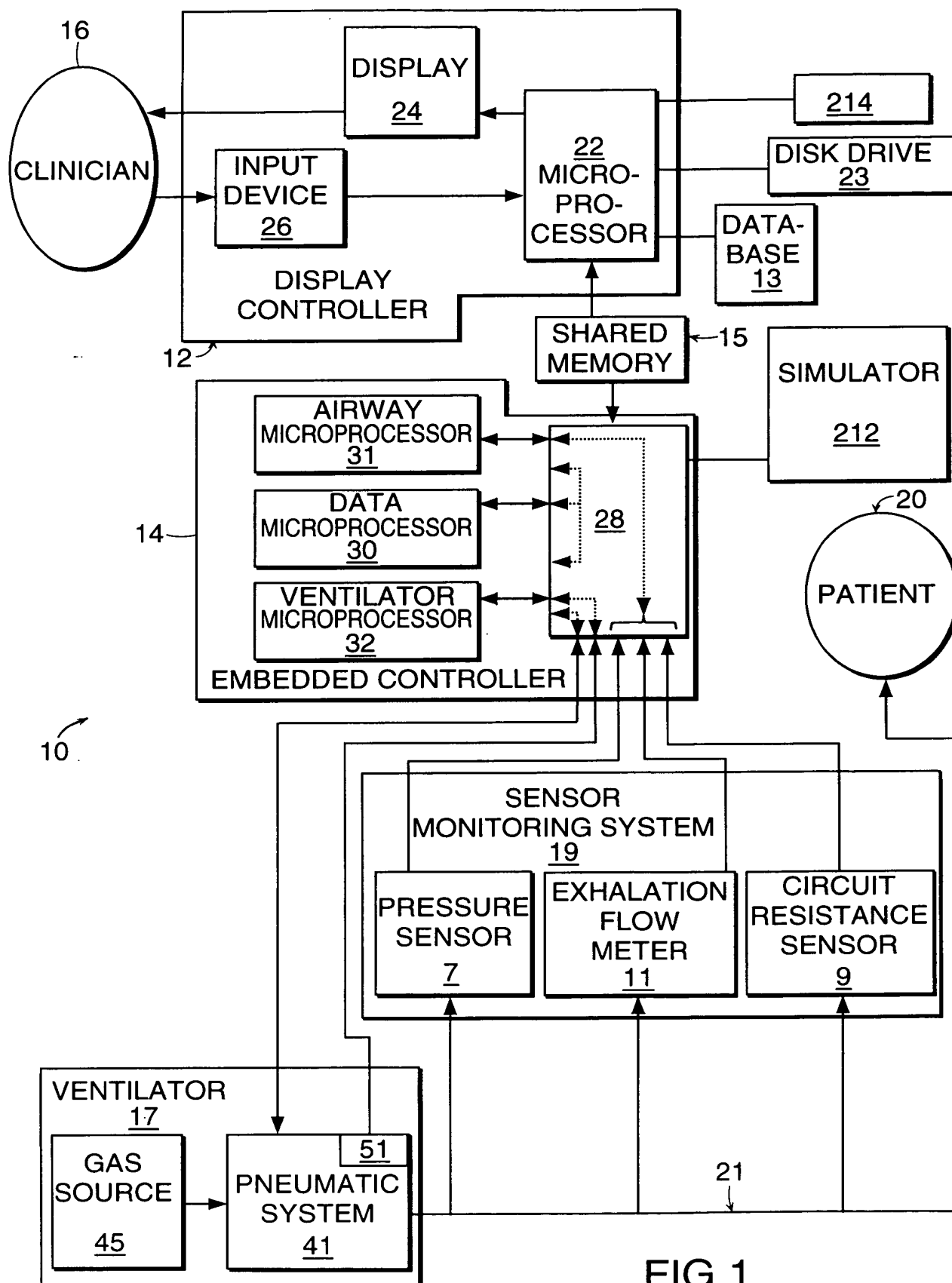


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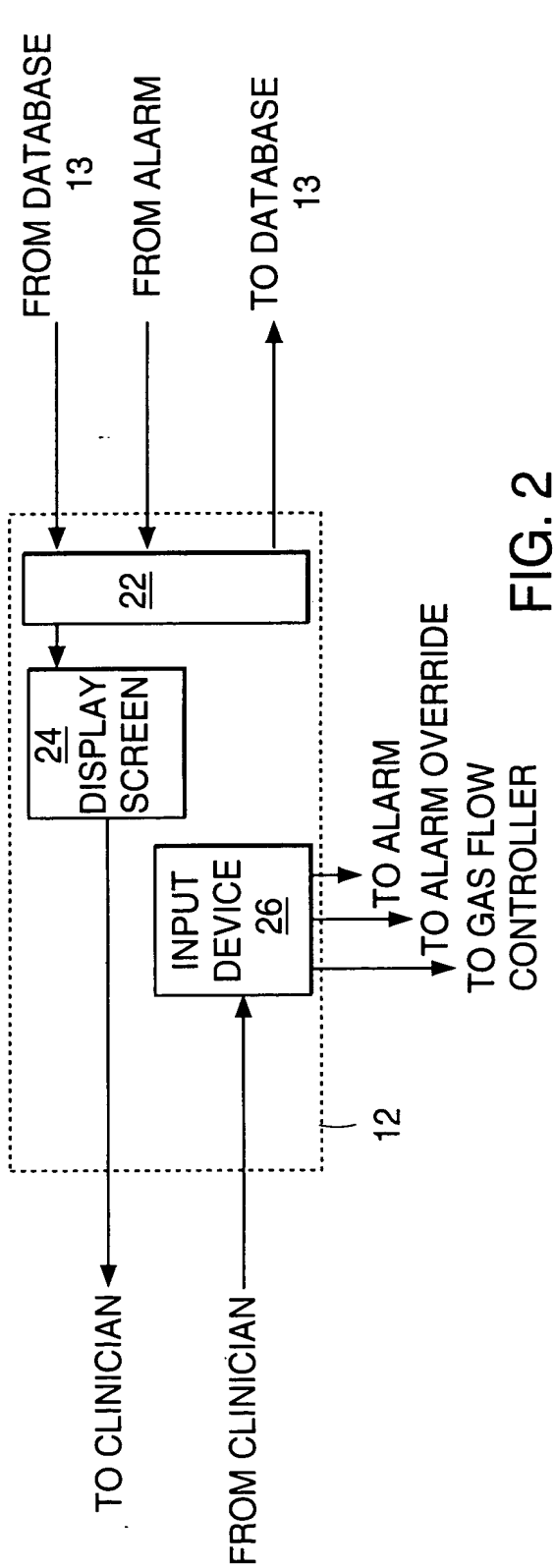


FIG. 2

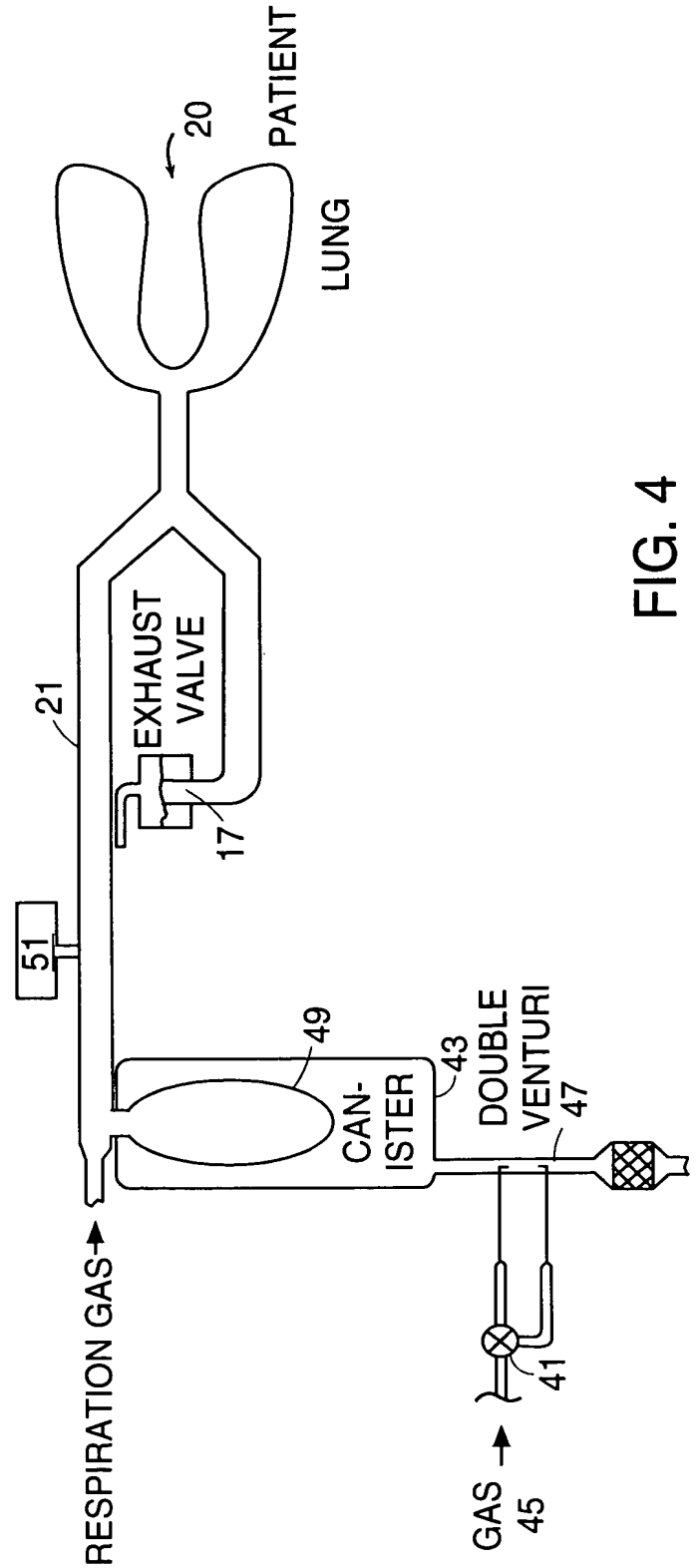


FIG. 4

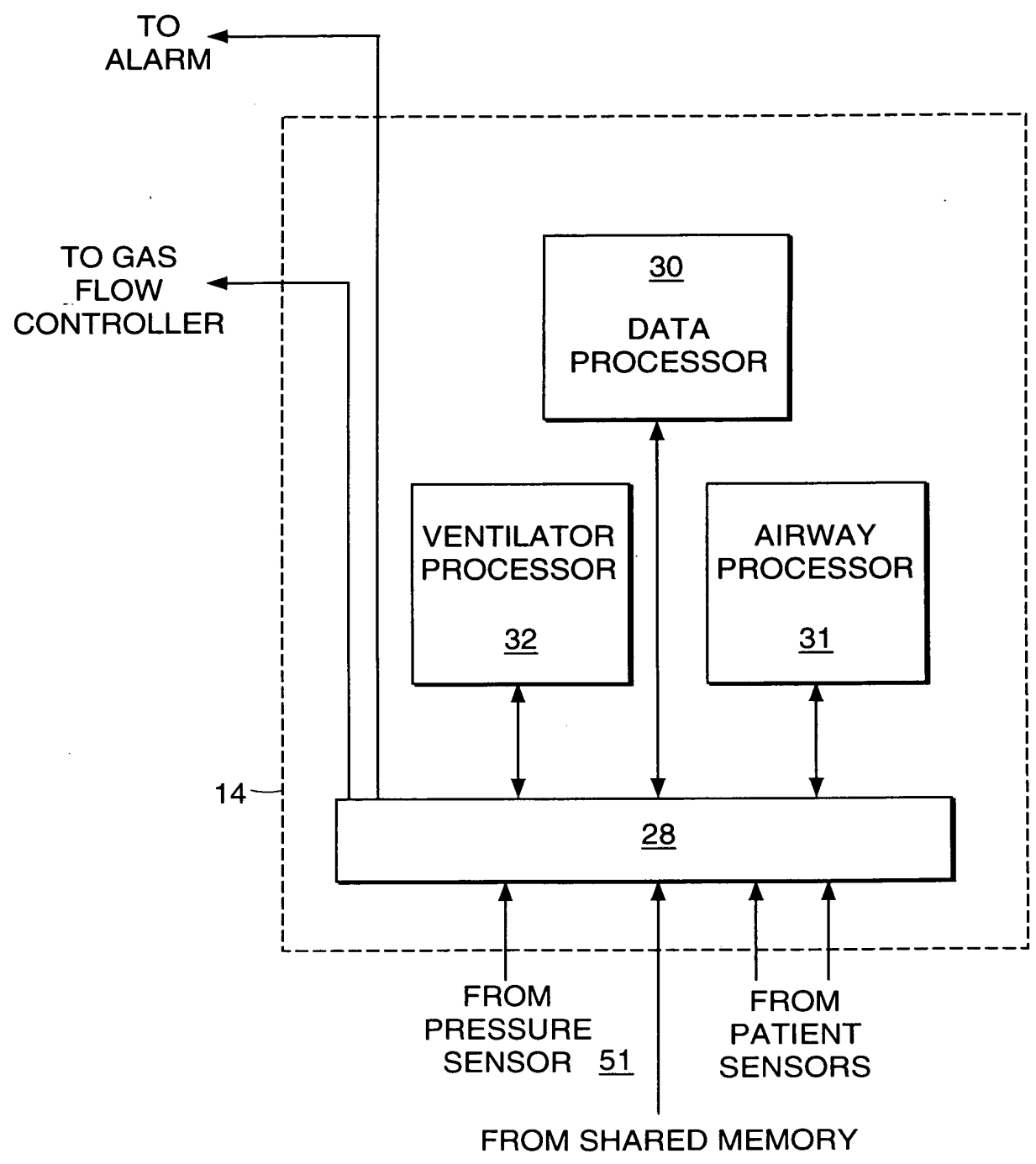


FIG. 3

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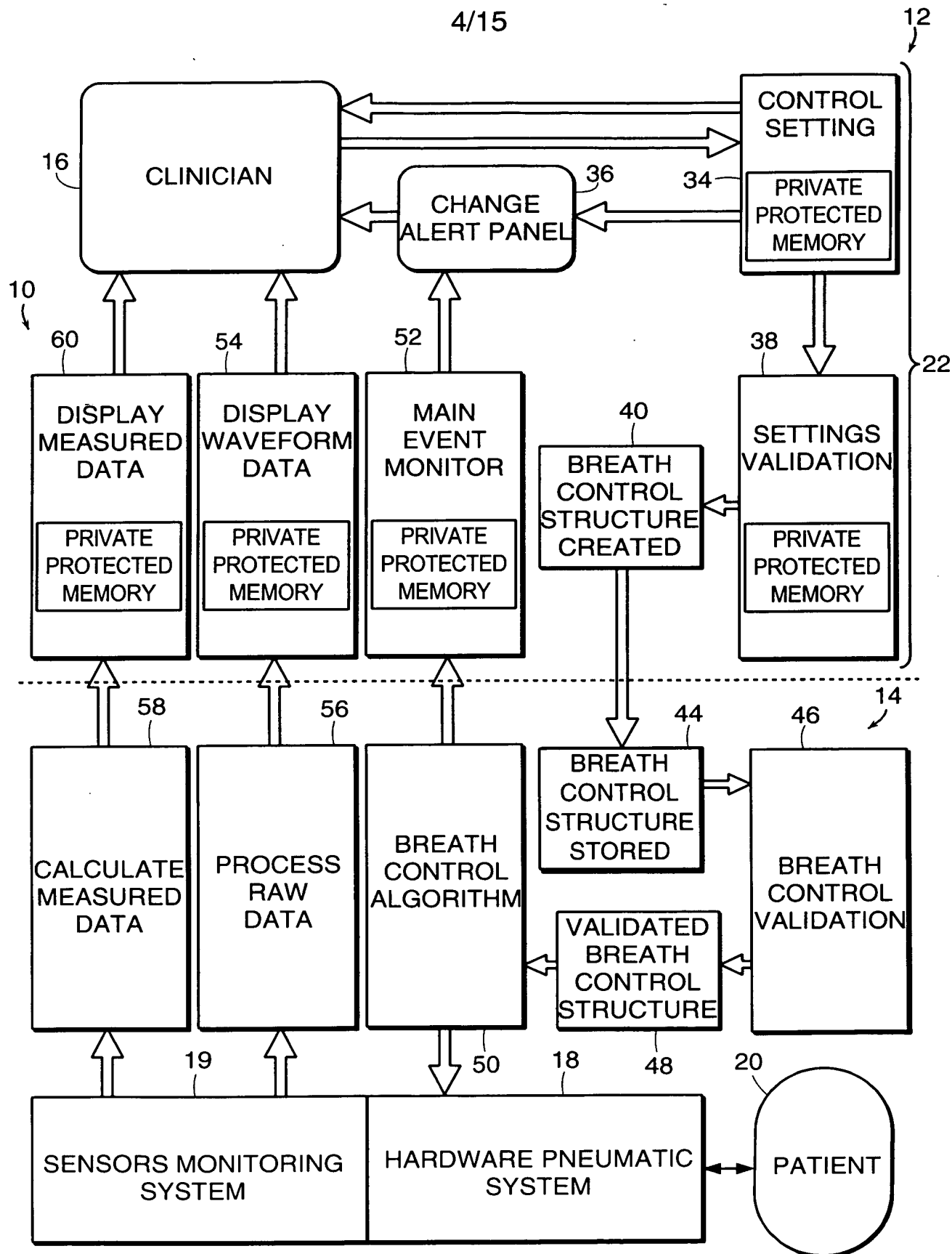


FIG. 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: Ventilator Control System and Method  
Inventor(s): Biondi et al.  
U.S. Serial Number: 09/931,572  
Atty Docket No.: CPC-003CPCN2  
Atty: Ronda P. Moore, D.V.M. (617)248-7044  
Sheet 5 of 15

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```

IF ((FLOW SLOPE INCREASING)                                (STEP 300)
AND (PRESSURE SLOPE DECREASING)
THEN (ADD INHALED VOLUME TO
TO EVENT VOLUME = (VOLUME - BASELINE))
ELSE (ADD (0) TO EVENT
VOLUME = (VOLUME-BASELINE))

IF (EVENT VOLUME > TRIGGER VOLUME)                          (STEP 310)
THEN (TRIGGER FLAG = YES)

IF (TRIGGER FLAG = YES)                                       (STEP 320)
THEN ((IF TIME > 200mSEC) THEN (TRIGGER FLAG = NO)
ELSE (ADD TO VOLUME = (VOLUME - BASELINE)))

IF (VOLUME > TRIGGER VOLUME)    (STEP 330)
THEN (INITIATE BREATH))
ELSE (DO NOT INITIATE BREATH)

```

FIG. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: Ventilator Control System and Method  
Inventor(s): Biondi et al.  
U.S. Serial Number: 09/931,572  
Atty Docket No.: CPC-003CPCN2  
Atty: Ronda P. Moore, D.V.M. (617)248-7044  
Sheet 6 of 15

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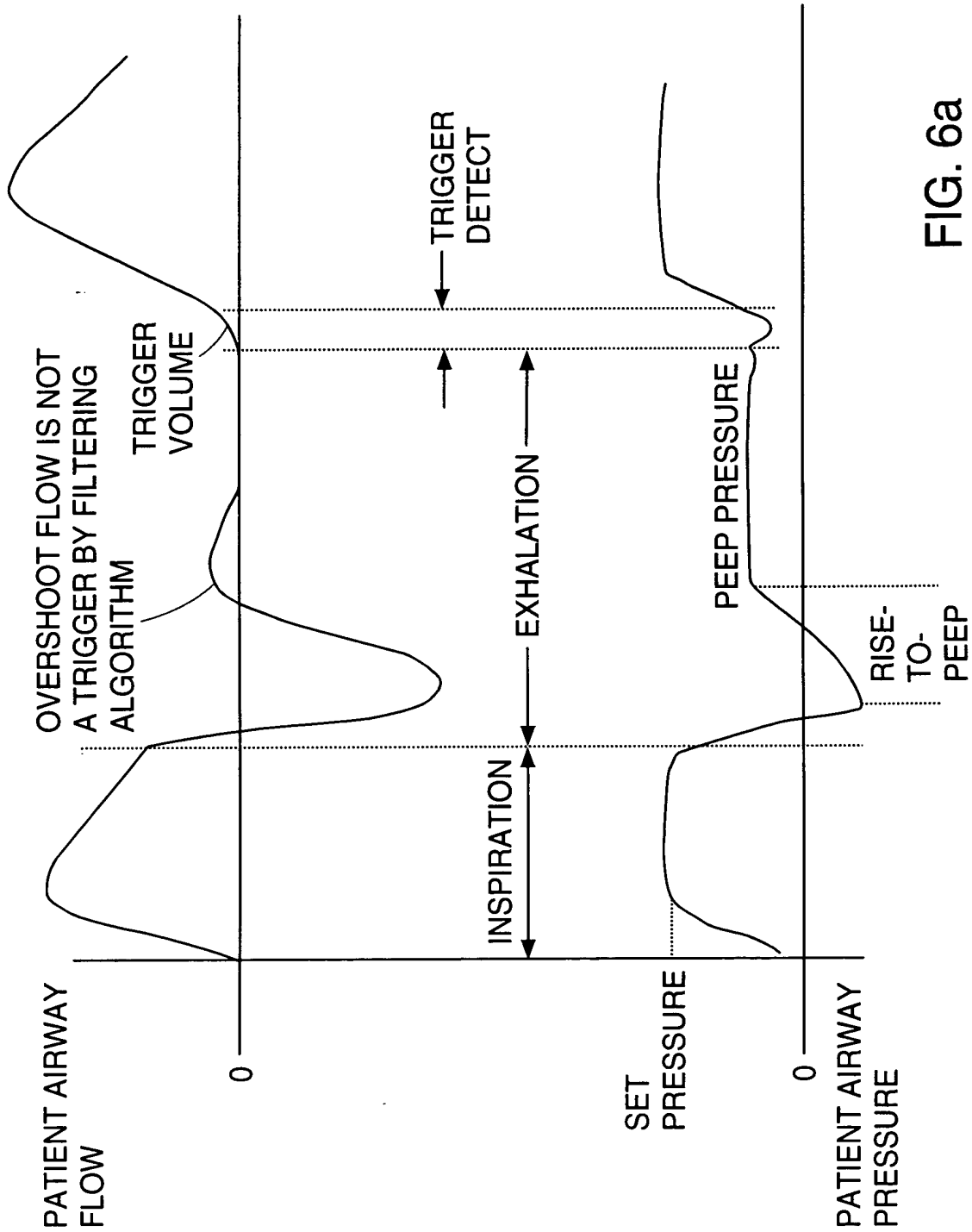


FIG. 6a



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: Ventilator Control System and Method  
Inventor(s): Biondi et al.  
U.S. Serial Number: 09/931,572  
Atty Docket No.: CPC-003CPCN2  
Atty: Ronda P. Moore, D.V.M. (617)248-7044  
Sheet 8 of 15

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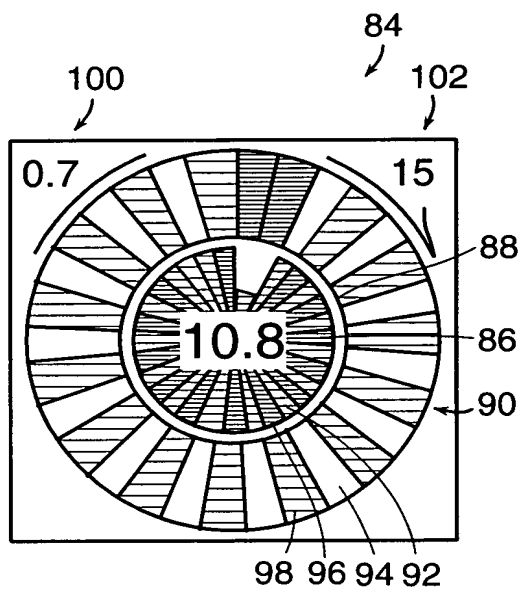


FIG.8



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Title: Ventilator Control System and Method  
 Inventor(s): Biondi et al.  
 U.S. Serial Number: 09/931,572  
 Atty Docket No.: CPC-003CPCN2  
 Atty: Ronda P. Moore, D.V.M. (617)248-7044  
 Sheet 9 of 15

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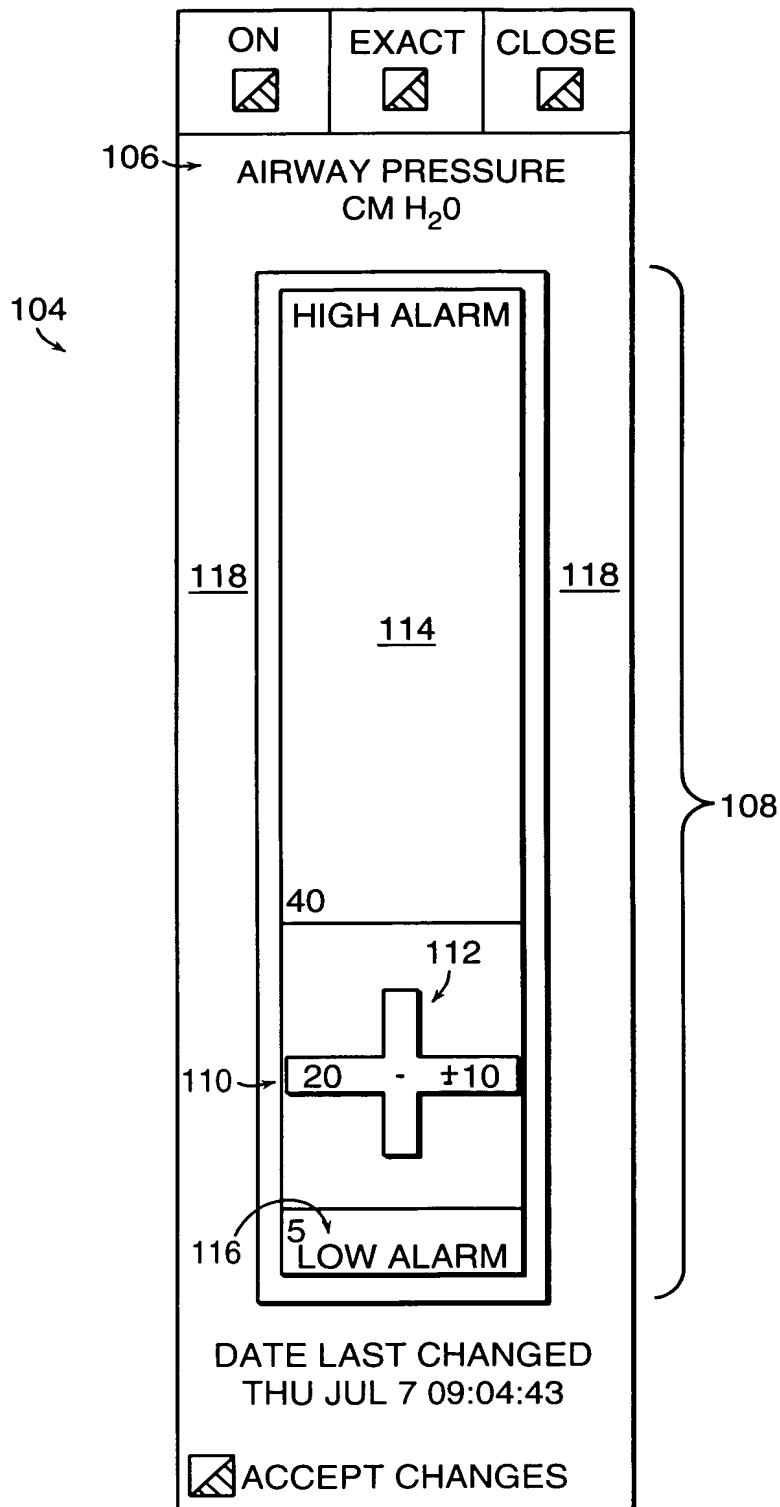


FIG. 9

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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CHOOSE & SCALE ANY CHANNEL ✕

↑  
 OK 25  
 ↓

CLIP HIGH AT:
1500

TIDAL VOLUME
25

CLIP LOW AT:
-100.00

120
122
124
126
128

FIG. 10

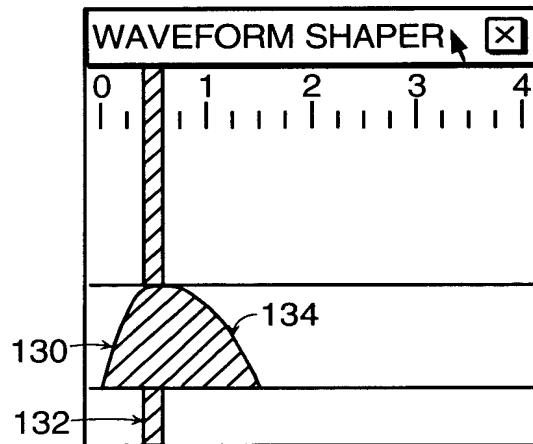


FIG. 15

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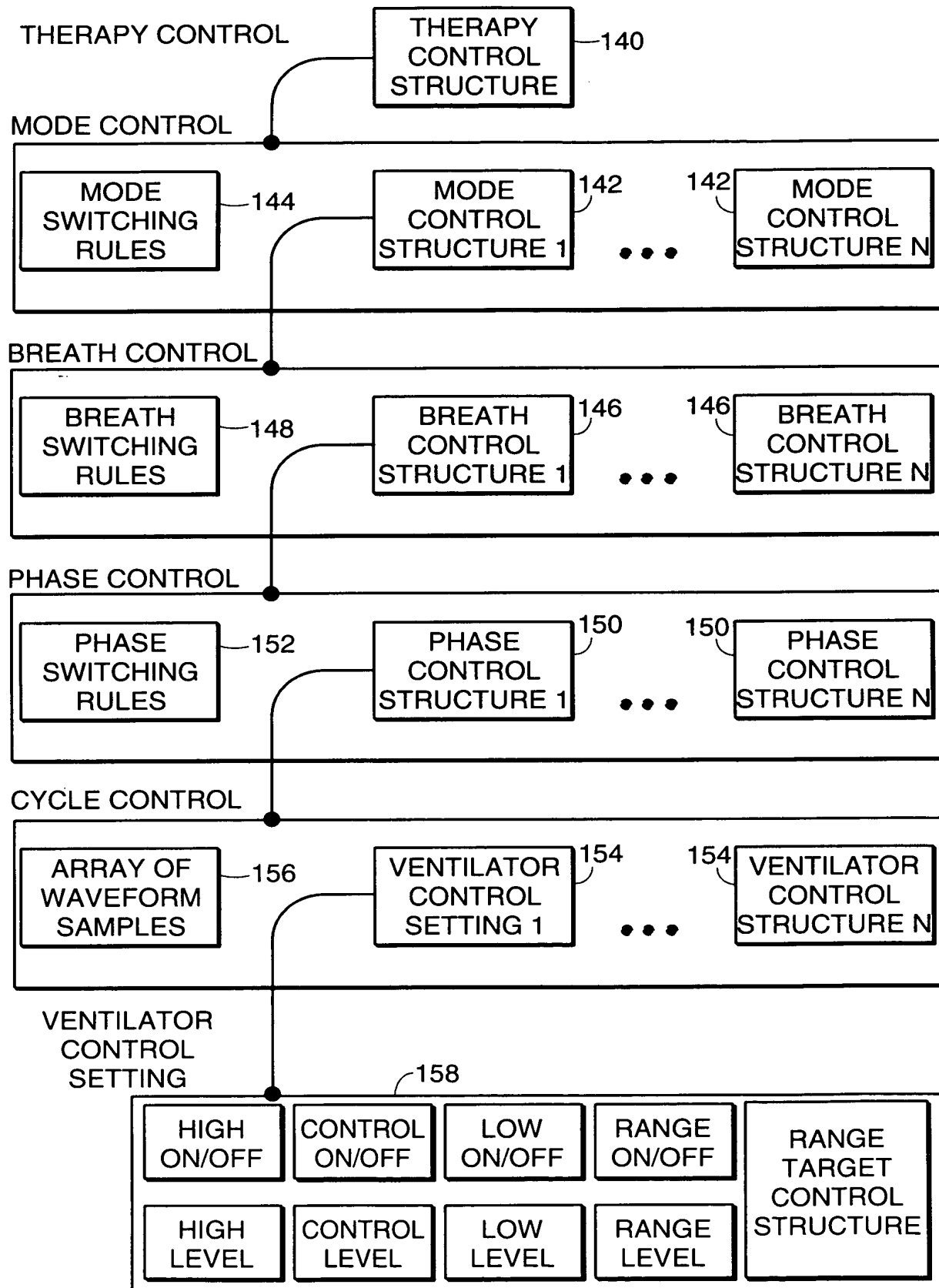


FIG. 11

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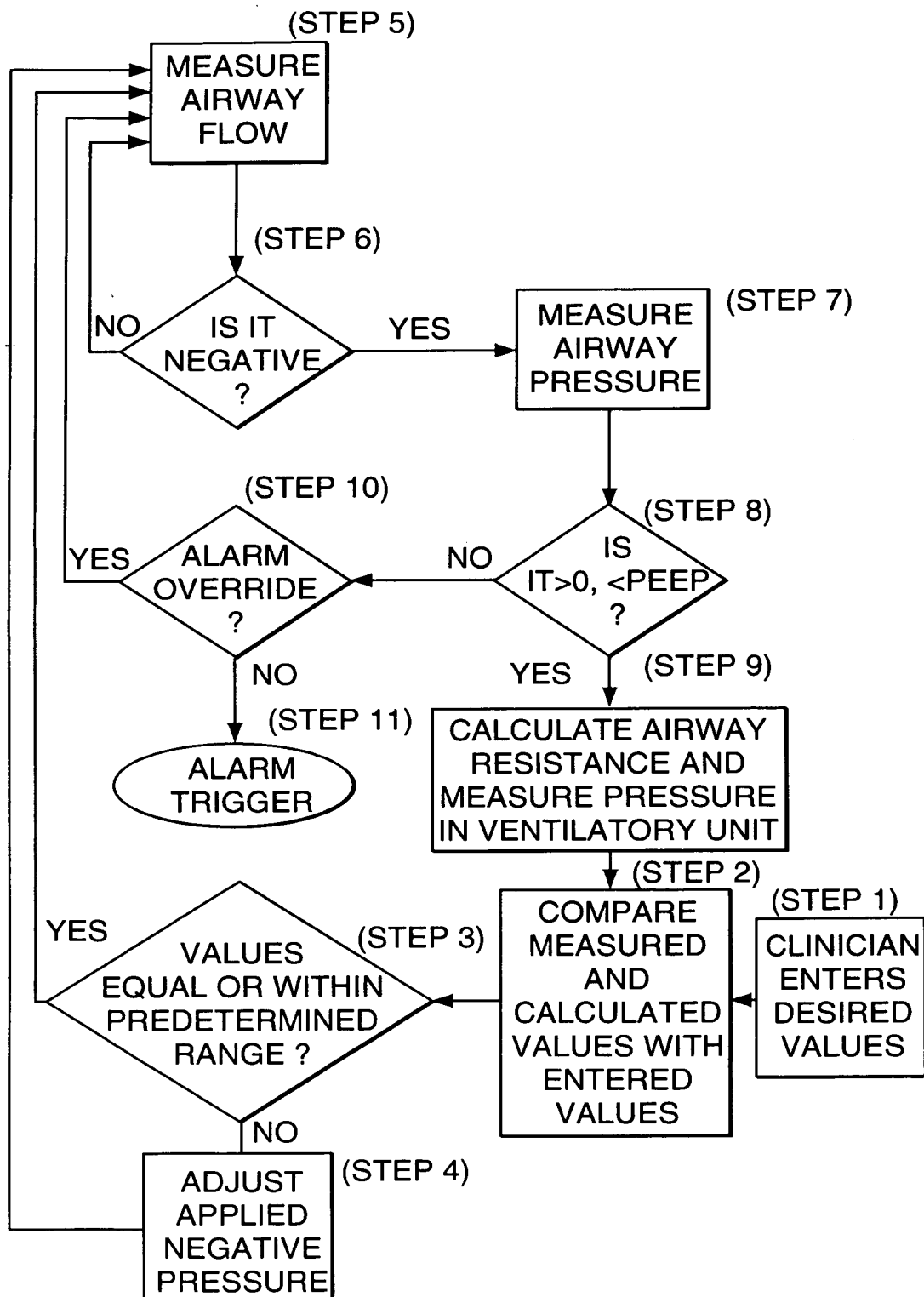


FIG. 12

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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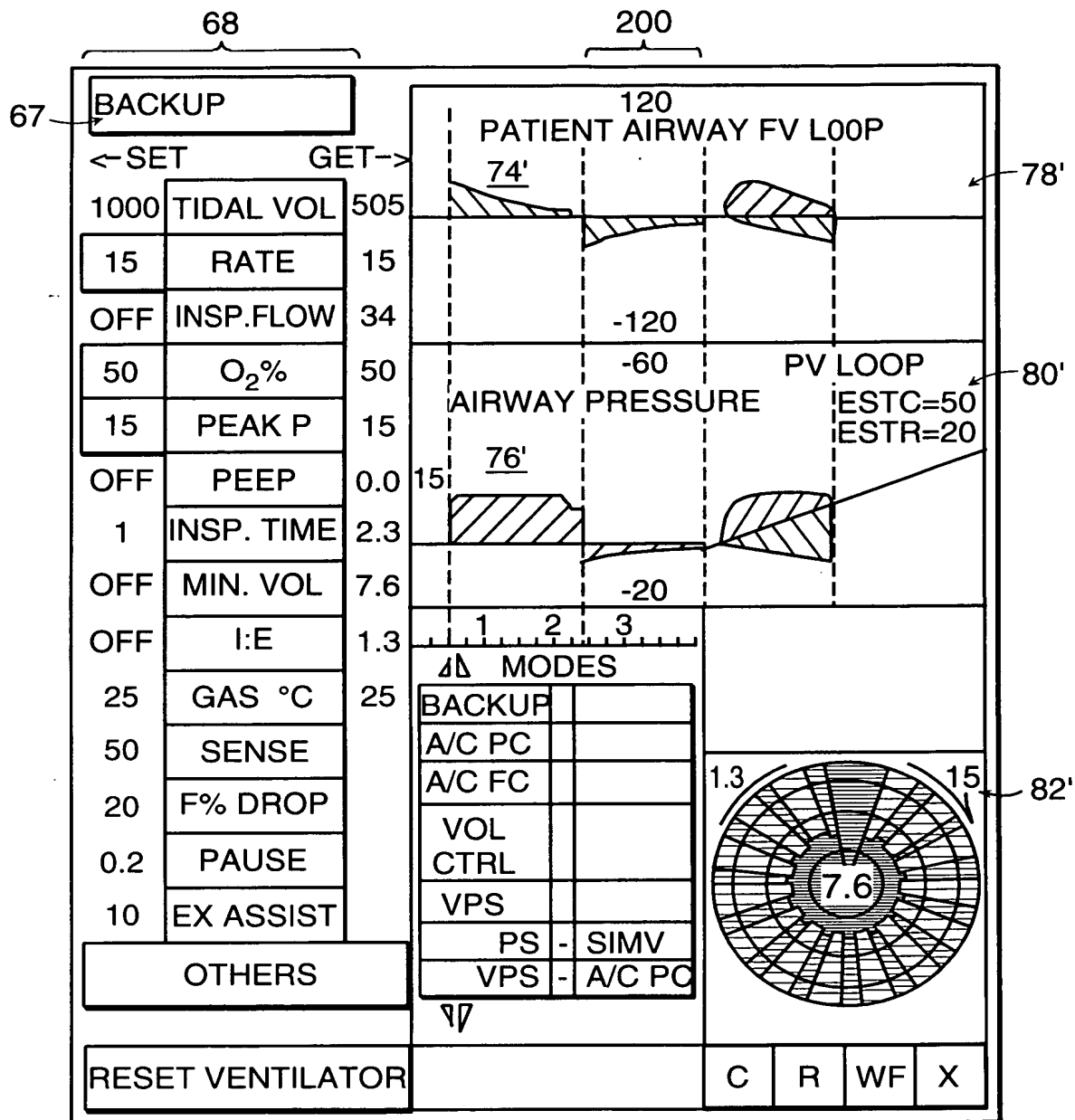


FIG. 13

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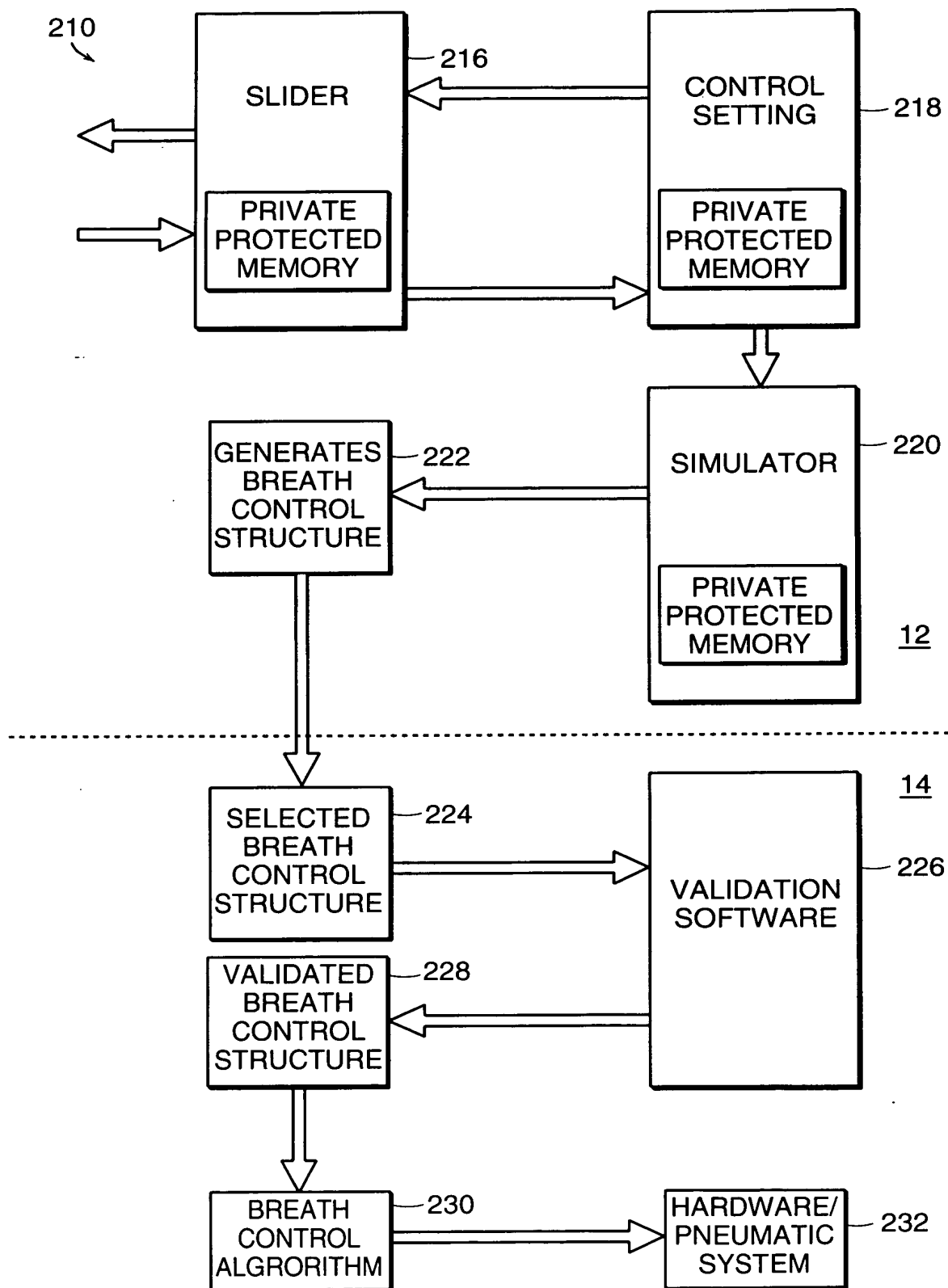


FIG. 14

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

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VPS-A/C PC

ON  
☒

EXACT  
☐

X  
☐

INSPIRATION PRESSURE  
CM H<sub>2</sub>O  
RANGE GAS:  
TIDAL VOLUME 1000

HIGH ALARM

△

▽

15 - ±10

0 LOW ALARM

DATE LAST CHANGED  
THU DEC 7 17:35:56  
ACCEPT CHANGES

VPS-A/C PC

ON  
☒

X  
☐

INSPIRATION PRESSURE  
CM H<sub>2</sub>O

RANGE TARGET:  
TIDAL VOLUME

YES  
☒

RANGE IS  
ENABLED

YES  
☒

REQUIRED  
TO BE ON

NO  
☒

REQUIRED  
TO BE OFF

NO  
☒

SHARED BY  
BOTH MODES

YES  
☒

HIGHLIGHTED  
ON SET LIST

MODE CONTROL

YES  
☒

MULTI-MODE  
IS ENABLED

MODE TRIGGER

NONE

MV

RATE

SENSE

CREATE

DELETE

FIG.16